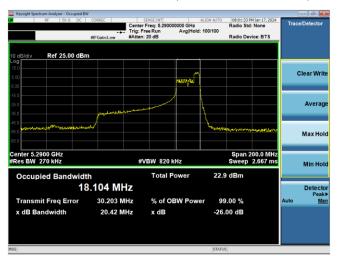








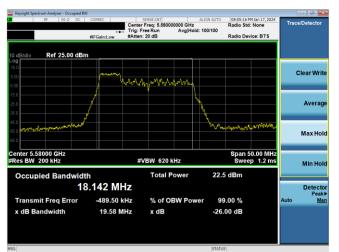
Plot 7-70. 26dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax Index 44 - RU52 - Ch.58)



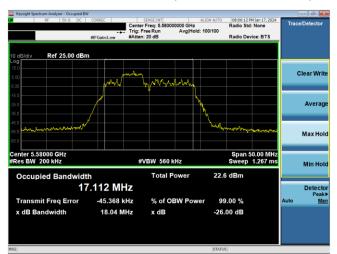
Plot 7-71. 26dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax Index 52 - RU52 - Ch.58)

Center France 2000000 CHz Ref 25.00 dBm Commerce 100 dB db/ Commerce	Keysight Spectrum Analyzer - Occupied BV						- 6 🛋
Image: Speed Rule Avgitted: 100100 Interfact.com Interfact.com Interfact.com	RF 50 Ω DC	CORREC	SENSE:INT				Trace/Detector
Center 5.2900 CHz RREs BW 820 kHz Total Power 77.204 MHz Clear Wr Clear Span 200.0 MHz Clear Mr Clear Mr Cle		Tri	g: Free Run		100		
Center 5.2900 GHz #Res BW 820 kHz T77.204 MHz Center 5.2900 GHz Buddente Bandwidth Total Power Center 5.2900 GHz Buddente Bandwidth Total Power Center 5.2900 GHz Bandwidth Total Power Center 5.2900 GHz Center 5.2900 GHz Bandwidth Total Power Center 5.2900 GHZ Bandwidth Center 5.2900 GHZ Ba		n					
600 600 <td>15.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear Write</td>	15.0						Clear Write
250 Avera 260 Avera	5.00	1	(malaya Bhilananan				
Content School Content of Content	25.0						Average
Center 5.2900 GHz Rees BW 820 KHz #VBW 2.4 MHz Sweep 1 ms Occupied Bandwidth Total Power 21.6 dBm 77.204 MHz Detect Pee		J			N. M. Walance	maluna	
RRes BW 820 kHz ≢VBW 2.4 MHz Sweep 1 ms Min Ho Occupied Bandwidth Total Power 21.6 dBm 77.204 MHz Detect Pee							Max Hold
77.204 MHz Detect			#VBW 2.4 M	MHz			Min Hold
Pea			Total F	Power	21.6 dBm		
							Detector Peak
Transmit Freq Error -23.236 kHz % of OBW Power 99.00 %	Transmit Freq Error	-23.236 kHz	% of O	BW Power	99.00 %		Auto Mar
x dB Bandwidth 80.89 MHz x dB -26.00 dB	x dB Bandwidth	80.89 MHz	x dB		-26.00 dB		

Plot 7-72. 26dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax - RU996 - Ch.58)



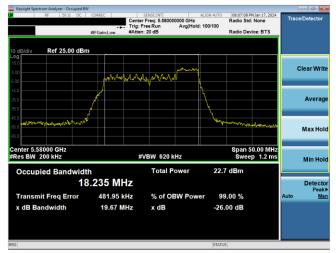




Plot 7-74. 26dB BW & 99% OBW Antenna WF8 (20MHz BW 11ax Index 38 - RU52 - Ch.116)

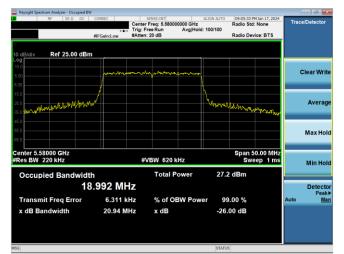
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 05 of 450
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 35 of 453
			V 10.6 09/14/2023



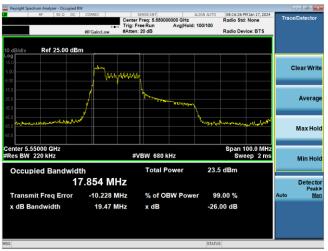




Plot 7-75. 26dB BW & 99% OBW Antenna WF8 (20MHz BW 11ax Index 40 - RU52 - Ch.116)

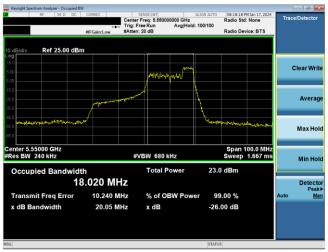


Plot 7-76. 26dB BW & 99% OBW Antenna WF8 (20MHz BW 11ax- RU242 - Ch.116)



Plot 7-77. 26dB BW & 99% OBW Antenna WF8 (40MHz BW 11ax Index 37 - RU52 - Ch.110)

Plot 7-78. 26dB BW & 99% OBW Antenna WF8 (40MHz BW 11ax Index 40 - RU52 - Ch.110)



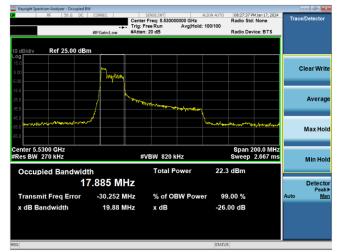


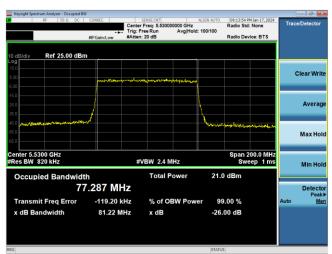
Keysight Spectrum Analyzer - Occupied B RF 50 Ω DC		SENSE:INT	ALIGN AUTO	09:10:11 PM Jan 17	2024
NP J0 32 DC		Center Freq: 5.55000000		Radio Std: None	
		Atten: 20 dB	vginola: 100/100	Radio Device: B1	rs
0 dB/div Ref 25.00 dB	m				
15.0					
5.00	mount		mane		Clear Write
.00	A		<u>\</u>		
5.0			<u> </u>		
SO WATER AND	₩r ⁴			May any AM Drawnest	Average
				Landinal Provest	whether a
15.0					
6.0					Max Hold
.0.0					
enter 5.55000 GHz				Span 100.0	
Res BW 430 kHz		#VBW 1.3 MHz		Sweep	ms Min Hold
Occupied Bandwid	th	Total Pow	er 27.	0 dBm	
3	7.867 MHz	z			Detecto
					Peak Auto Mar
Transmit Freq Error	10.368 kH			9.00 %	Auto <u>Mar</u>
x dB Bandwidth	41.19 MH	z xdB	-26	.00 dB	
3G			STATU	-	
9			STATO	15	

Plot 7-80. 26dB BW & 99% OBW Antenna WF8 (40MHz BW 11ax - RU484 - Ch.110)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 00 af 450	
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 36 of 453	
	•		V 10.6 09/14/2023	







Plot 7-81. 26dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax Index 37 - RU52 - Ch.106)

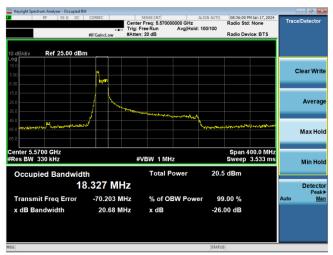


Plot 7-82. 26dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax Index 44 - RU52 - Ch.106)

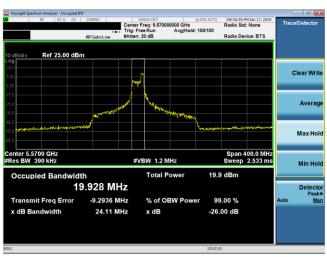


Plot 7-83. 26dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax Index 52 - RU52 - Ch.106)

Plot 7-84. 26dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax - RU996 - Ch.106)







Plot 7-86. 26dB BW & 99% OBW Antenna WF8 (160MHz BW 11ax Index 52 - RU52 - Ch.114 (L))

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 07 of 450	
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 37 of 453	
<u> </u>	•	·	V 10.6 09/14/2023	



Keysight Spectrum Analyzer - Occupied Bit RF 50 Ω DC	CORREC	SENSE:INT			7:51 PM Jan 17, 2024	-	Detector
		Center Freq: 5.5700 Trig: Free Run	00000 GHz Avg Hold:	100/100	Std: None	maco	Detector
	#IFGain:Low	#Atten: 20 dB		Radio	Device: BTS		
dB/div Ref 25.00 dBr	n						
5.0						-	lear Wri
00			- 1			Ľ	lear wri
			~//				
5.0							
5.0							Avera
5.0	and the set	Malupan July and		1			
1.0 Harrison and Marine and Marine	1			whether and the second or series	w remondent		
5.0							Max Ho
							_
enter 5.5700 GHz Res BW 330 kHz		#VBW 1 MH	-		an 400.0 MHz ep 3.533 ms		
Res BW 330 KHZ			12	Swe	ep 3.555 ms		Min Ho
Occupied Bandwidt	h	Total F	ower	19.6 dBn	n		
18	3.747 MH	z					Detect
Transmit Freg Error	70.007 M		BW Powe	er 99.00 %	,	Auto	Peal M
			DW FOWE			Auto	<u>IN</u>
x dB Bandwidth	21.82 M	Hz xdB		-26.00 dl	3		

Plot 7-87. 26dB BW & 99% OBW Antenna WF8 (160MHz BW 11ax Index 52 - RU52 - Ch.114 (U))

Keysight Spectrum Analyzer - Occupied BW RF 50 Ω DC	CORREC	SENSE:INT	ALIGN AUTO	09:16:42 PM Ja		Trace/Detector
	Trip		Hold: 100/100	Radio Device		
10 dB/div Ref 25.00 dBm	_		_			
15.0 5.00						Clear Write
5.00	Normalan	nished presentation and teneralistic	•~~		_	_
25.0						Average
35.0 45.0 agentantes produced and and and and and and and and and an	1		- Augenders	CHANNIGHT MARK	water Marken	_
55.0						Max Hold
Center 5.5700 GHz				Span 400	.0 MHz	
Res BW 1.6 MHz Occupied Bandwidth		#VBW 5 MHz Total Power	18 4	sweep I dBm	o 1 ms	Min Hold
	6.42 MHz	Total Power	10.	чыш		Detector
Transmit Freq Error	107.59 kHz	% of OBW Pe	ower 99	0.00 %		Peak Auto <u>Mar</u>
x dB Bandwidth	165.6 MHz	x dB	-26.	00 dB		
196			STATU	5		

Plot 7-88. 26dB BW & 99% OBW Antenna WF8 (160MHz BW 11ax - RU996x2 - Ch.114)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 20 of 452	
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 38 of 453	
			V 10 6 09/14/2023	



Antenna WF7 26dB & 99% Bandwidth Measure	ments
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	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
				26	0	12.5/14.7 (MCS11)	18.20	19.49
	5180	36	ax (20MHz)	26	4	12.5/14.7 (MCS11)	17.11	18.05
				26	8	12.5/14.7 (MCS11)	18.27	19.28
				26	0	12.5/14.7 (MCS11)	18.16	19.49
	5200	40	ax (20MHz)	26	4	12.5/14.7 (MCS11)	17.09	18.04
				26	8	12.5/14.7 (MCS11)	18.33	19.41
				26	0	12.5/14.7 (MCS11)	18.17	19.40
_	5240	48	ax (20MHz)	26	4	12.5/14.7 (MCS11)	17.08	18.11
þ				26	8	12.5/14.7 (MCS11)	18.30	19.32
Band 1				26	0	12.5/14.7 (MCS11)	18.03	19.50
	5190	38	ax (40MHz)	26	8	12.5/14.7 (MCS11)	19.57	21.97
				26	17	12.5/14.7 (MCS11)	18.16	19.73
				26	0	12.5/14.7 (MCS11)	18.04	19.26
	5230	46	ax (40MHz)	26	8	12.5/14.7 (MCS11)	19.34	21.32
				26	17	12.5/14.7 (MCS11)	18.16	19.62
				26	0	12.5/14.7 (MCS11)	18.12	19.42
	5210	42	ax (80MHz)	26	18	12.5/14.7 (MCS11)	37.31	38.51
				26	36	12.5/14.7 (MCS11)	18.13	19.44

Table 7-8. Conducted Bandwidth Measurements Antenna WF7 (RU26)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 20 of 452
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 39 of 453
			V/ 10 6 00/14/2023



	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
₽ ⊿		50(1)		52	37	25/29.4 (MCS11)	18.41	21.44
Band 1/2A	5250	50 (L)	ax (160MHz)	52	52	25/29.4 (MCS11)	19.80	22.92
ш、		50 (U)		52	52	25/29.4 (MCS11)	18.71	21.78
				52	37	25/29.4 (MCS11)	18.07	19.75
	5260	52	ax (20MHz)	52	38	25/29.4 (MCS11)	17.19	18.44
			52	40	25/29.4 (MCS11)	18.20	19.71	
				52	37	25/29.4 (MCS11)	18.12	19.62
	5300	60	ax (20MHz)	52	38	25/29.4 (MCS11)	17.17	18.32
				52	40	25/29.4 (MCS11)	18.24	20.00
				52	37	25/29.4 (MCS11)	18.13	19.72
4	5320	64	ax (20MHz)	52	38	25/29.4 (MCS11)	17.19	18.38
Band 2A				52	40	25/29.4 (MCS11)	18.23	19.58
3an				52	37	25/29.4 (MCS11)	17.92	19.98
	5270	54	ax (40MHz)	52	40	25/29.4 (MCS11)	19.27	22.42
				52	44	25/29.4 (MCS11)	18.05	20.17
				52	37	25/29.4 (MCS11)	17.89	19.89
	5310	62	ax (40MHz)	52	40	25/29.4 (MCS11)	19.16	24.04
				52	44	25/29.4 (MCS11)	18.02	20.63
				52	37	25/29.4 (MCS11)	17.92	19.54
	5290	58	ax (80MHz)	52	44	25/29.4 (MCS11)	20.14	24.09
				52	52	25/29.4 (MCS11)	18.09	20.37
				52	37	25/29.4 (MCS11)	18.17	19.77
	5500	100	ax (20MHz)	52	38	25/29.4 (MCS11)	17.20	18.49
				52	40	25/29.4 (MCS11)	18.23	19.82
				52	37	25/29.4 (MCS11)	18.11	19.58
	5580	116	ax (20MHz)	52	38	25/29.4 (MCS11)	17.10	18.16
				52	40	25/29.4 (MCS11)	18.23	19.97
				52	37	25/29.4 (MCS11)	18.13	19.65
	5720	144	ax (20MHz)	52	38	25/29.4 (MCS11)	17.15	18.40
				52	40	25/29.4 (MCS11)	18.26	19.79
				52	37	25/29.4 (MCS11)	17.96	19.88
	5510	102	ax (40MHz)	52	40	25/29.4 (MCS11)	19.32	23.18
				52	44	25/29.4 (MCS11)	18.04	20.52
				52	37	25/29.4 (MCS11)	17.86	19.60
ပ္ပ	5550	110	ax (40MHz)	52	40	25/29.4 (MCS11)	19.20	22.42
Band 2C				52	44	25/29.4 (MCS11)	18.08	20.59
Bar				52	37	25/29.4 (MCS11)	18.00	20.40
_	5710	142	ax (40MHz)	52	40	25/29.4 (MCS11)	19.34	22.53
				52	44	25/29.4 (MCS11)	18.04	20.22
				52	37	25/29.4 (MCS11)	17.88	19.48
	5530	106	ax (80MHz)	52	44	25/29.4 (MCS11)	19.63	22.75
				52	52	25/29.4 (MCS11)	18.12	20.79
				52	37	25/29.4 (MCS11)	17.88	19.39
	5610*	122	ax (80MHz)	52	44	25/29.4 (MCS11)	19.87	24.89
				52	52	25/29.4 (MCS11)	18.10	20.50
				52	37	25/29.4 (MCS11)	17.84	19.53
	5690	138	ax (80MHz)	52	44	25/29.4 (MCS11)	19.46	25.48
				52	52	25/29.4 (MCS11)	18.12	19.91
		114 (L)	(10-1-1-)	52	37	25/29.4 (MCS11)	18.41	20.32
	5570*	. ,	ax (160MHz)	52	52	25/29.4 (MCS11)	20.38	23.94
		114 (U)		52	52	25/29.4 (MCS11)	18.54	20.86

Table 7-9. Conducted Bandwidth Measurements Antenna WF7 (RU52)

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 40 of 452
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 40 of 453
			V 10.6 09/14/2023



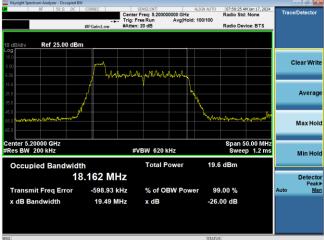
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
	5180	36	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.01	20.92
_	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.03	21.06
Band 1	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.01	21.27
Bar	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.90	41.15
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.97	41.20
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	76.96	81.09
Band 1/2A	5250	50	ax (160MHz)	996x2	68	1020.8/1201 (MCS11)	156.09	164.93
	5260	52	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	21.20
∢	5300	60	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.03	20.86
d 2A	5320	64	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.01	21.24
Band	5270	54	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.91	41.54
<u>ш</u>	5310	62	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.92	41.24
	5290	58	ax (80MHz)	996	67	510.4/600.5 (MCS11)	76.99	81.53
	5500	100	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.97	21.15
	5580	116	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.03	20.99
	5720	144	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.02	20.84
U	5510	102	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.93	41.13
Й q	5550	110	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.95	41.20
Band 2C	5710	142	ax (40MHz)	484	65	243.8/286.8 (MCS11)	38.01	42.12
	5530	106	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.08	81.51
	5610*	122	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.05	80.85
	5690	138	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.25	98.15
	5570*	114	ax (160MHz)	996x2	68	1020.8/1201 (MCS11)	156.26	165.02

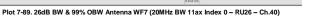
Table 7-10. Conducted Bandwidth Measurements Antenna WF7 (Fully- loaded RU)

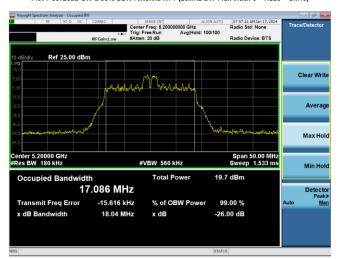
*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 41 of 452
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 41 of 453
			V/ 10 6 00/14/2023

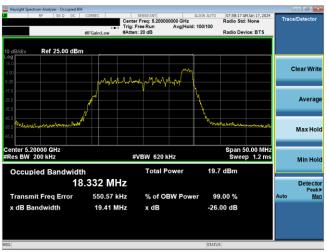








Plot 7-90. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 11ax Index 4 - RU26 - Ch.40)



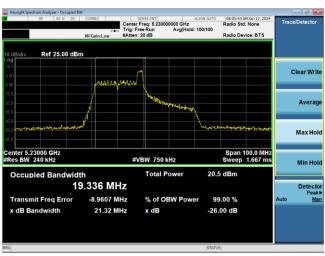
Plot 7-91. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 11ax Index 8- RU26 - Ch.40)

		Center Freq: 5.2000 Trig: Free Run	00000 GHz Avg Hold: 100/100	Radio Std: None	Trace/Detector
	#IFGain:Low	#Atten: 20 dB	Avginola. Iteritee	Radio Device: BTS	
0 dB/div Ref 25.00 d					
og					
5.0	m	mungant	and the second s		Clear Write
5.00					
6.0	_/		<u>\</u>		
50 South Marine Uner Willy Marine	n-w		man	Mangholden walken	Average
15.0 AAADWAA					
6.0					Max Hold
6.0					wax Hold
enter 5.20000 GHz				Span 50.00 MHz	
Res BW 220 kHz		#VBW 6201	KHZ	Sweep 1 ms	Min Hold
Occupied Bandwi	dth	Total P	ower 26.	9 dBm	
	9.029 M	Hz			Detector
Transmit Freq Error	29,990		BW Power 99	9.00 %	Peak► Auto Man
x dB Bandwidth	21.06			.00 dB	
X ub Balluwidul	21.001		-20	.00 UB	

Plot 7-92. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 11ax- RU242 - Ch.40)



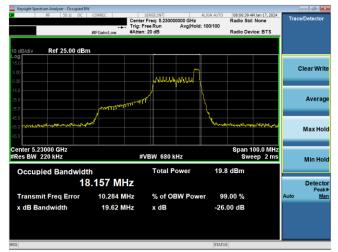




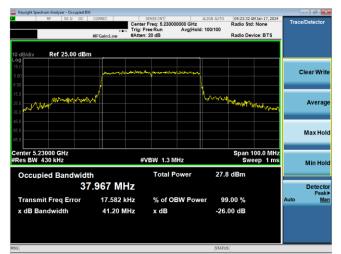
Plot 7-94. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 11ax Index 8 - RU26 - Ch.46)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 40 af 450
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 42 of 453
	•		V 10.6 09/14/2023

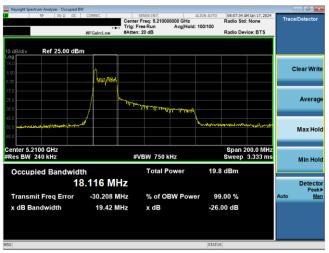




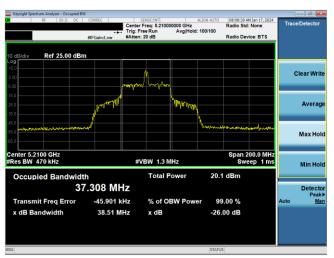




Plot 7-96. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 11ax - RU484 - Ch.46)

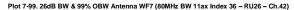


Plot 7-97. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax Index 0 - RU26 - Ch.42)



Plot 7-98. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax Index 18 - RU26 - Ch.42)





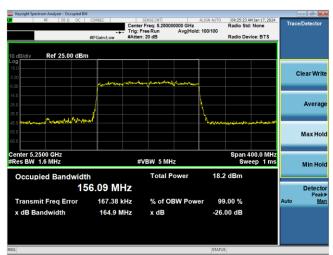


Plot 7-100. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax - RU996 - Ch.42)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 40 of 450
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 43 of 453
	•		V 10.6 09/14/2023



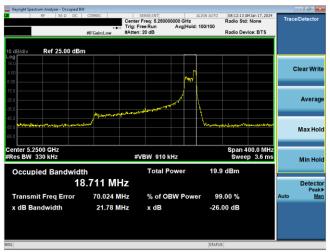




Plot 7-101. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 11ax Index 37 - RU52 - Ch.50 (L))

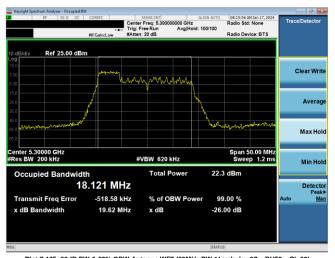


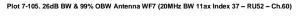
Plot 7-102. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 11ax Index 52 - RU52 - Ch.50 (L))

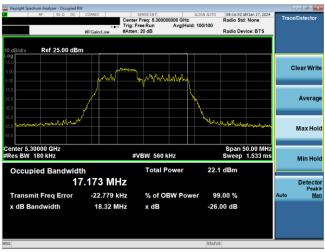


Plot 7-103. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 11ax Index 52 - RU52 - Ch.50 (U))

Plot 7-104. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 11ax - RU996x2 - Ch.50)



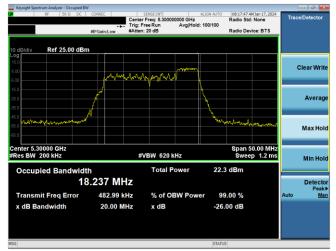




Plot 7-106. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 11ax Index 38 - RU52 - Ch.60)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 44 af 450
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 44 of 453
	•		V 10.6 09/14/2023

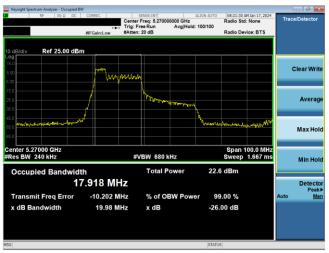








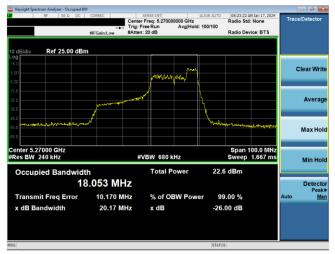
Plot 7-108. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 11ax- RU242 - Ch.60)



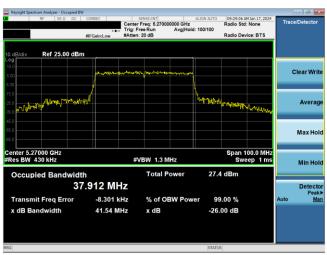
Plot 7-109. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 11ax Index 37 - RU52 - Ch.54)



Plot 7-110. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 11ax Index 40 - RU52 - Ch.54)







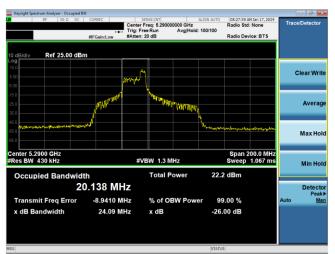
Plot 7-112. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 11ax - RU484 - Ch.54)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dana 45 at 450
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 45 of 453
	•	·	V 10.6 09/14/2023

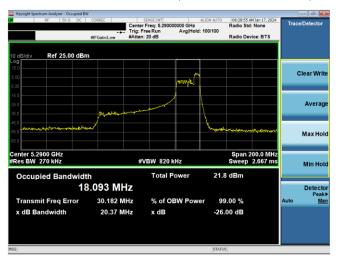








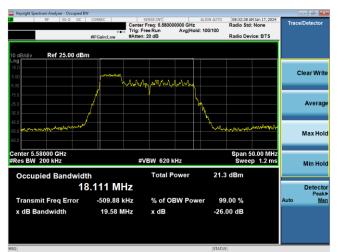
Plot 7-114. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax Index 44 - RU52 - Ch.58)



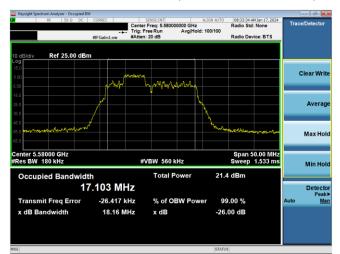
Plot 7-115. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax Index 52 - RU52 - Ch.58)

RF 50 Ω DC	CORREC	SENSE:INT	ALIGN AUTO	09:30:58 AM Jan 17, 2024	
		enter Freq: 5.290000 rig: Free Run Atten: 20 dB	000 GHz Avg Hold: 100/100	Radio Std: None Radio Device: BTS	Trace/Detector
dB/div Ref 25.00 dBr	n				
		ىسىردەمىرورلە ^ر ايىر 10.15-14.	-		Clear Write
0					
.0					Averag
0 0 afgedlagde junior adortedation	- Jul		harris	4 have abilition for the state of the	_
.0					Max Hol
enter 5.2900 GHz Res BW 820 kHz		#VBW 2.4 MH	łz	Span 200.0 MHz Sweep 1 ms	Min Hol
Occupied Bandwidt	h	Total Po	ower 20.9	∂dBm	
	6.995 MHz				Detecto Peak
Transmit Freq Error	-45.391 kH	z % of OB	W Power 99	9.00 %	Auto <u>Ma</u>
x dB Bandwidth	81.53 MH	z xdB	-26.	00 dB	

Plot 7-116. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax - RU996 - Ch.58)



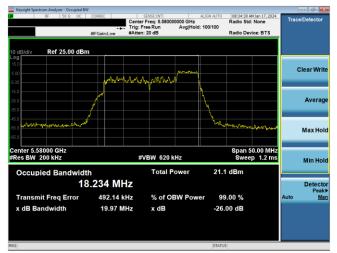
Plot 7-117. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 11ax Index 37 - RU52 - Ch.116)



Plot 7-118. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 11ax Index 38 - RU52 - Ch.116)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 40 of 450
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 46 of 453
	•	·	V 10.6 09/14/2023



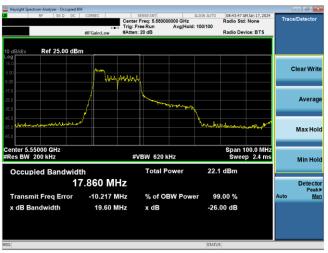




Plot 7-119. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 11ax Index 40 - RU52 - Ch.116)



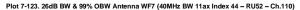
Plot 7-120. 26dB BW & 99% OBW Antenna WF7 (20MHz BW 11ax- RU242 - Ch.116)



Plot 7-121. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 11ax Index 37 - RU52 - Ch.110)

Plot 7-122. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 11ax Index 40 - RU52 - Ch.110)



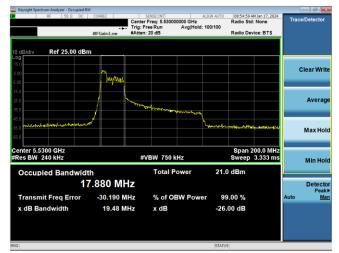


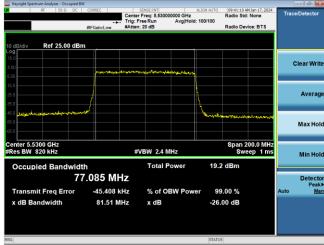


Plot 7-124. 26dB BW & 99% OBW Antenna WF7 (40MHz BW 11ax - RU484 - Ch.110)

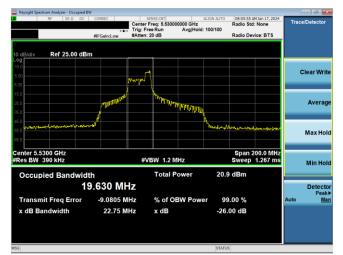
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 47 of 450
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 47 of 453
	•	·	V 10.6 09/14/2023



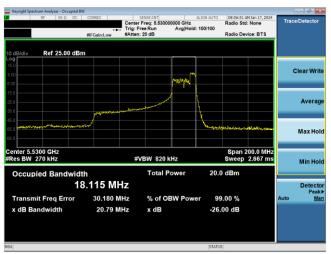




Plot 7-125. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax Index 37 - RU52 - Ch.106)



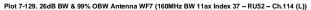
Plot 7-126. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax Index 44 - RU52 - Ch.106)

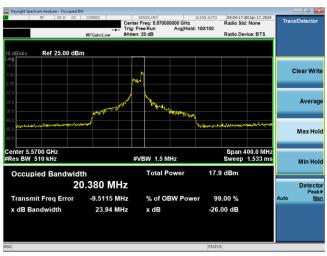


Plot 7-127. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax Index 52 - RU52 - Ch.106)

Plot 7-128. 26dB BW & 99% OBW Antenna WF7 (80MHz BW 11ax - RU996 - Ch.106)







Plot 7-130. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 11ax Index 52 - RU52 - Ch.114 (L))

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 40 of 450
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 48 of 453
	•		V 10.6 09/14/2023



Keysight Spectrum Analyzer - Occupied Bi RF 50 Ω DC	CORREC	SENSE:INT	ALIGN AUTO		M Jan 17, 2024		Detector
		ter Freq: 5.570000000 0 : Free Run Avg	3Hz Hold: 100/100	Radio Std	: None	Trace	Detector
	#IFGain:Low #Att	en: 20 dB		Radio Dev	ice: BTS		
0 dB/div Ref 25.00 dBr	n		<u> </u>				
15.0							
.00			h			CI	ear Wri
.00			- mpa				
5.0							
15.0							Avera
15.0	murrenterman	and man when the					
5.0			<u> </u>		A LANDA TO		
5.0			1.0-0/-0	and the second sec			Max Ho
5.0						_	_
enter 5.5700 GHz			<u> </u>		00.0 MHz		
Res BW 300 kHz		#VBW 910 kHz		Sweep	4.267 ms		Min Ho
Occupied Bandwidt	h	Total Powe	r 18	.1 dBm			
	3.536 MHz						Detect
							Pea
Transmit Freq Error	70.112 MHz	% of OBW F	Power 9	99.00 %		Auto	M
x dB Bandwidth	20.86 MHz	x dB	-20	6.00 dB			
G			STAT				

Plot 7-131. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 11ax Index 52 - RU52 - Ch.114 (U))

Ceysight Spectrum Analyzer - Occupied BW RF 50 Ω DC	CORREC	SENSE:INT	ALIGN AUTO	09:43:58 AM		- # (
	Trig	er Freq: 5.5700000 Free Run en: 20 dB	000 GHz Avg Hold: 100/100	Radio Std: Radio Devid		Trace/Detecto
dB/div Ref 25.00 dBm						
0						Clear Wr
ı		mermation				_
J						Avera
warrendland and the set of the first of the set of the	(humina	ang ng katalang ng katalang ka	p-1024-1-041-0	
, ,						MaxHo
nter 5.5700 GHz es BW 1.6 MHz		#VBW 5 MHz			10.0 MHz ep 1 ms	Min Ho
Occupied Bandwidth		Total Po	wer 16.3	3 dBm		
	6.26 MHz					Detec Pea
Fransmit Freq Error	-201.42 kHz	% of OB	N Power 99	9.00 %	ŕ	Auto <u>N</u>
dB Bandwidth	165.0 MHz	x dB	-26.	.00 dB		
			STATU	e		

Plot 7-132. 26dB BW & 99% OBW Antenna WF7 (160MHz BW 11ax - RU996x2 - Ch.114)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 40 of 450	
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 49 of 453	
			V 10 6 09/14/2023	



7.3 6dB & 99% Bandwidth Measurement – 802.11ax OFDMA §2.1049; §15.407 (e); RSS-Gen [6.7]

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

In the 5.725 – 5.850GHz band, the 6dB bandwidth must be \geq 500 kHz.

Test Procedure Used

ANSI C63.10-2013 – Subclause 6.9.2 KDB 789033 D02 v02r01 – Section C

Test Settings

- The signal analyzers' automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 6. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
- 2. RBW = 100 kHz
- 3. VBW <u>></u> 3 x RBW
- 4. Detector = Peak
- 5. Trace mode = max hold
- 6. Sweep = auto couple

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-2. Test Instrument & Measurement Setup

Test Notes

- 1. All antenna configurations were investigated and only the worst case is reported
- 2. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's were reported.
- 3. Low, mid, and high channels were tested and tabular data has been reported. Only mid channel bandwidth plots have been reported.

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 50 of 452	
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 50 of 453	
			V 10.6 09/14/2023	



Antenna WF5B 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
				26	0	12.5/14.7 (MCS11)	18.13	2.10	0.50	Pass
	5745	149	ax (20MHz)	26	4	12.5/14.7 (MCS11)	17.13	2.69	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.21	2.10	0.50	Pass
				26	0	12.5/14.7 (MCS11)	18.11	2.13	0.50	Pass
	5785	157	ax (20MHz)	26	4	12.5/14.7 (MCS11)	17.15	2.70	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.20	2.10	0.50	Pass
	5825		ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.12	2.08	0.50	Pass
m		165		26	4	12.5/14.7 (MCS11)	17.13	2.70	0.50	Pass
E E				26	8	12.5/14.7 (MCS11)	18.25	2.10	0.50	Pass
Band				26	0	12.5/14.7 (MCS11)	17.85	2.15	0.50	Pass
	5755	151	ax (40MHz)	26	8	12.5/14.7 (MCS11)	18.76	2.09	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.95	2.16	0.50	Pass
				26	0	12.5/14.7 (MCS11)	17.81	2.09	0.50	Pass
	5795	159	ax (40MHz)	26	8	12.5/14.7 (MCS11)	18.51	2.11	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.98	2.20	0.50	Pass
				26	0	12.5/14.7 (MCS11)	17.80	2.24	0.50	Pass
	5775	155	ax (80MHz)	26	18	12.5/14.7 (MCS11)	36.90	2.89	0.50	Pass
				26	36	12.5/14.7 (MCS11)	17.85	2.20	0.50	Pass

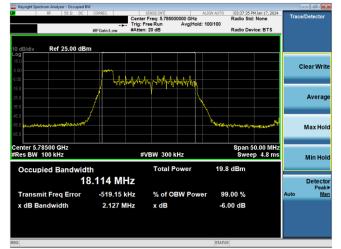
Table 7-11. Conducted Bandwidth Measurements Antenna WF5B (RU26)

		Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
		5745	149	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.96	19.11	0.50	Pass
		5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	19.09	0.50	Pass
9		5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.96	19.08	0.50	Pass
Bar		5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.84	38.15	0.50	Pass
		5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.84	38.16	0.50	Pass
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.07	77.92	0.50	Pass	

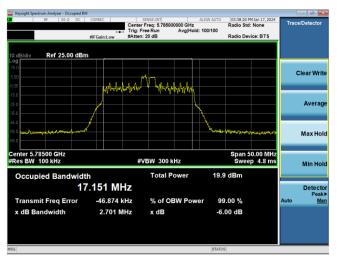
Table 7-12. Conducted Bandwidth Measurements Antenna WF5B (Fully- loaded RU)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 51 of 452
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 51 of 453
			V 10 6 09/14/2023

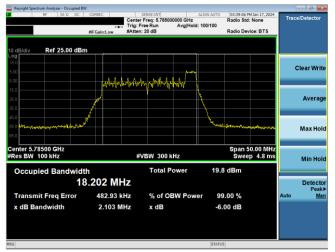




Plot 7-133. 6dB BW & 99% OBW Antenna WF5B (20MHz BW 11ax Index 0 - RU26 - Ch.157)



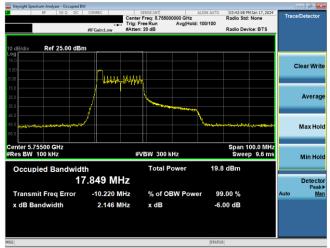
Plot 7-134. 6dB BW & 99% OBW Antenna WF5B (20MHz BW 11ax Index 4 – RU26 – Ch.157)



Plot 7-135. 6dB BW & 99% OBW Antenna WF5B (20MHz BW 11ax Index 8 - RU26 - Ch.157)

Keysight Spectrum Analyzer - Occupied BW					
04 RF 50 Ω DC	CORREC #IFGain:Low	SENSE:INT Center Freq: 5.78500 Trig: Free Run #Atten: 20 dB	ALIGN AUTO 0000 GHz Avg Hold: 100/100	04:14:51 PM Jan 17, Radio Std: None Radio Device: BT	Trace/Detector
10 dB/div Ref 25.00 dBm	<u> </u>				
5.00	junded	an the stand and the stand	umpun		Clear Write
-15.0 -25.0 -35.0	~			The second second second	Average
-45.0					Max Hold
Center 5.78500 GHz #Res BW 100 kHz		#VBW 300 k	Hz	Span 50.00 Sweep 4.8	
Occupied Bandwidth	h .979 MH	Total P	ower 27.	5 dBm	Detector
Transmit Freq Error	9.252 kł		3W Power 99	9.00 %	Peak► Auto <u>Man</u>
x dB Bandwidth	19.09 MH	Hz x dB	-6.	00 dB	
MSG			STATU	S	

Plot 7-136. 6dB BW & 99% OBW Antenna WF5B (20MHz BW 11ax - RU242 - Ch.157)





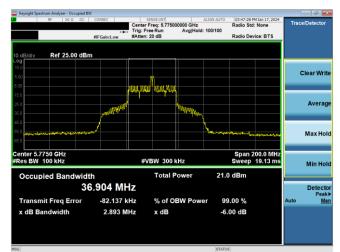


Plot 7-138. 6dB BW & 99% OBW Antenna WF5B (40MHz BW 11ax Index 8 - RU26 - Ch.151)

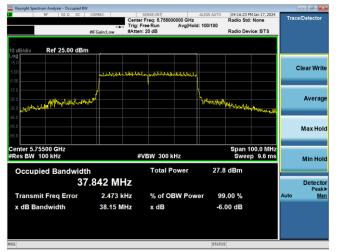
FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 50 of 450
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 52 of 453
<u></u>	•	·	V 10.6 09/14/2023







Plot 7-139. 6dB BW & 99% OBW Antenna WF5B (40MHz BW 11ax Index 17 - RU26 - Ch.151)



Plot 7-140. 6dB BW & 99% OBW Antenna WF5B (40MHz BW 11ax - RU484 - Ch.151)

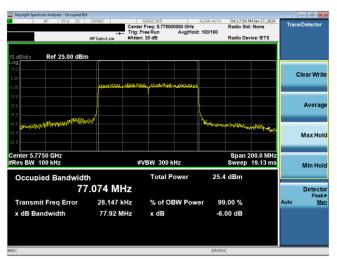


Plot 7-141. 6dB BW & 99% OBW Antenna WF5B (80MHz BW 11ax Index 0 - RU26 - Ch.155)

Plot 7-142 6dB BW & 99% OBW Antenna WE5B (80MHz BW 11ax Index 18 - BU26 - Ch 155)







Plot 7-144. 6dB BW & 99% OBW Antenna WF5B (80MHz BW 11ax - RU996 - Ch.155

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dama 50 of 450	
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	Page 53 of 453	
	•	·	V 10.6 09/14/2023	



Antenna WF8 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
				26	0	12.5/14.7 (MCS11)	18.13	2.11	0.50	Pass
	5745	149	ax (20MHz)	26	4	12.5/14.7 (MCS11)	17.02	2.67	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.16	2.09	0.50	Pass
				26	0	12.5/14.7 (MCS11)	18.11	2.08	0.50	Pass
	5785	157	ax (20MHz)	26	4	12.5/14.7 (MCS11)	17.08	2.69	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.15	2.09	0.50	Pass
	5825		ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.12	2.10	0.50	Pass
e		165		26	4	12.5/14.7 (MCS11)	17.13	2.69	0.50	Pass
2 P				26	8	12.5/14.7 (MCS11)	18.22	2.11	0.50	Pass
Band				26	0	12.5/14.7 (MCS11)	17.86	2.16	0.50	Pass
	5755	151	ax (40MHz)	26	8	12.5/14.7 (MCS11)	18.75	2.13	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.96	2.15	0.50	Pass
				26	0	12.5/14.7 (MCS11)	17.83	2.14	0.50	Pass
	5795	159	ax (40MHz)	26	8	12.5/14.7 (MCS11)	18.76	2.14	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.94	2.12	0.50	Pass
			ax (80MHz)	26	0	12.5/14.7 (MCS11)	17.87	2.25	0.50	Pass
	5775	155		26	18	12.5/14.7 (MCS11)	36.99	2.87	0.50	Pass
				26	36	12.5/14.7 (MCS11)	17.93	2.19	0.50	Pass

Table 7-13. Conducted Bandwidth Measurements Antenna WF8 (RU26)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
	5745	149	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	19.12	0.50	Pass
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.96	19.08	0.50	Pass
, p	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.96	19.08	0.50	Pass
Bar	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.80	38.18	0.50	Pass
_	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.80	38.11	0.50	Pass
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.09	77.90	0.50	Pass

Table 7-14. Conducted Bandwidth Measurements Antenna WF8 (Fully-loaded RU)

FCC ID: BCGA2925 IC: 579C-A2925	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 54 of 453
1C2311270069-12-R1.BCG	1/8/2024 - 3/23/2024	Tablet Device	
			V 10 6 09/14/2023